Fig. 1

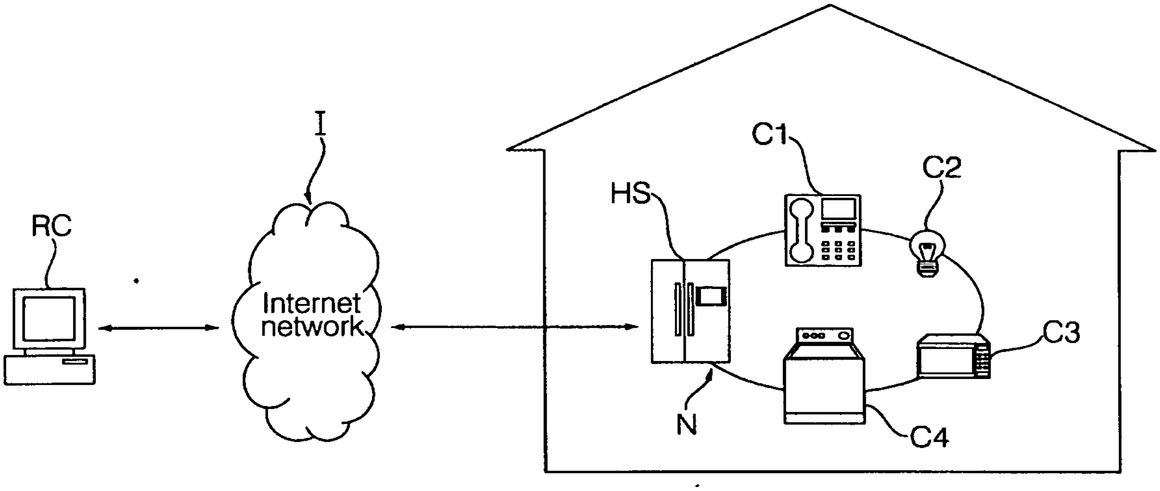


Fig. 2

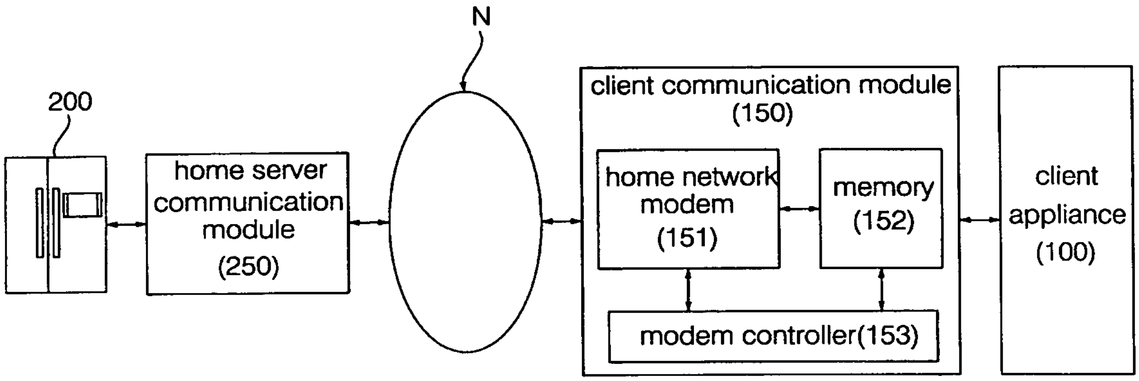

N
200
home server communication module (250)
client communication module (150)
home network modem (151)
memory (152)
modem controller(153)
client appliance (100)

Fig. 3

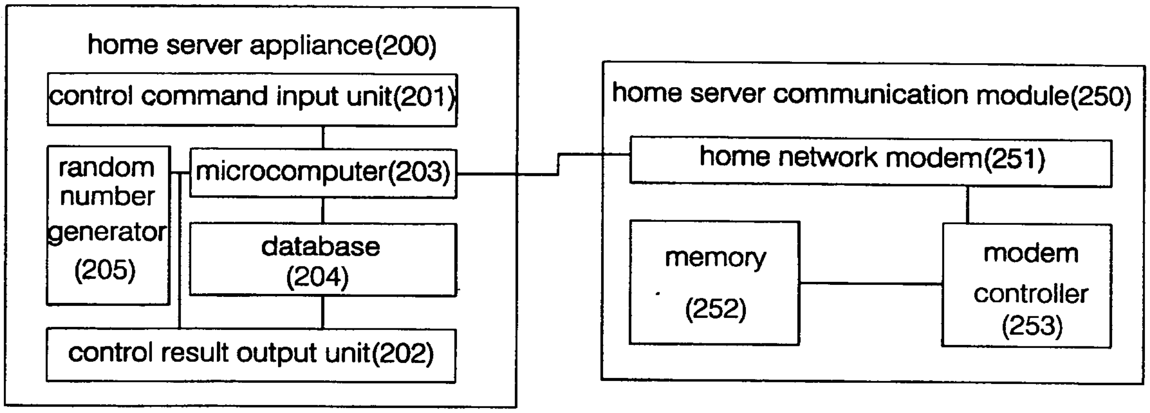
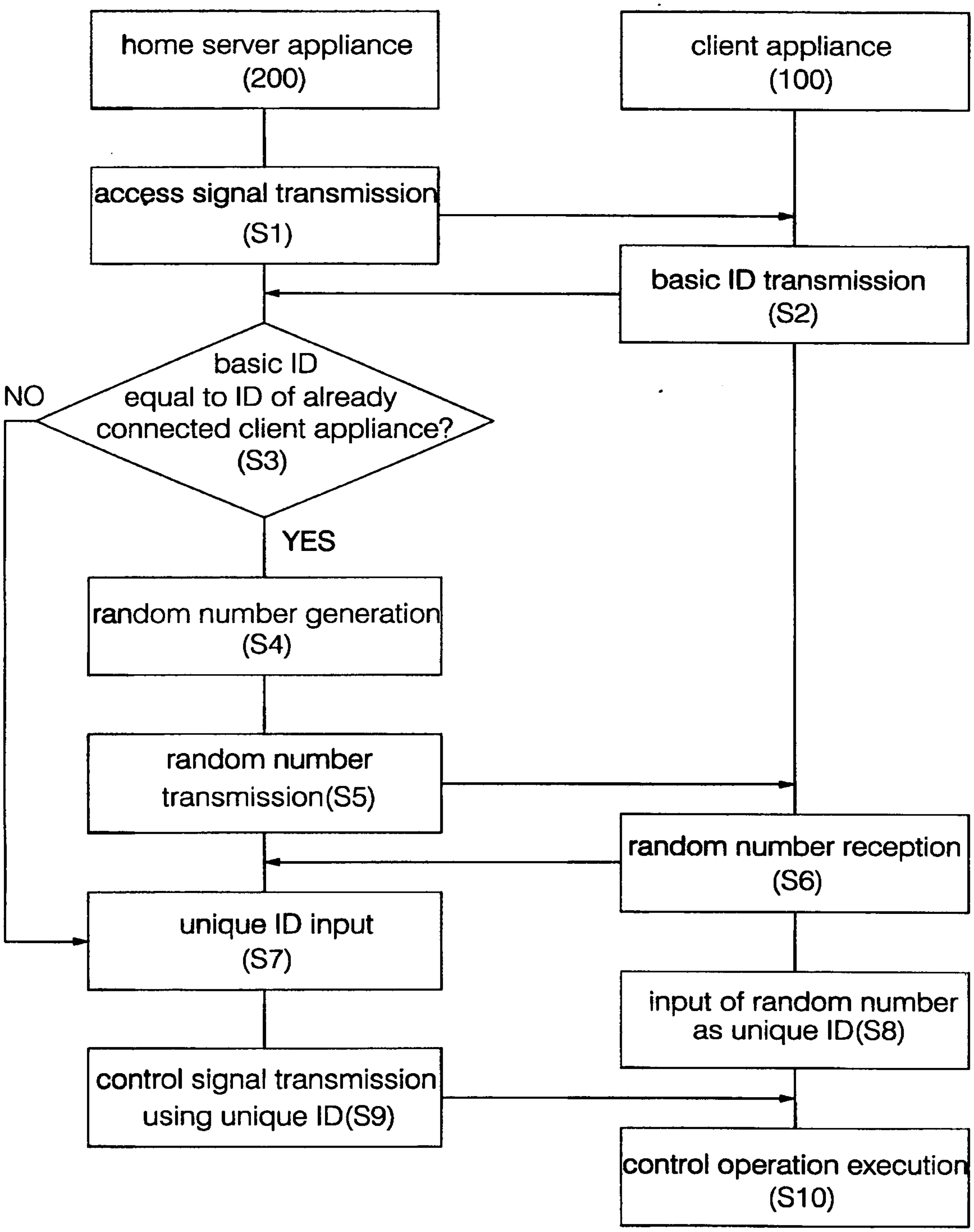

home server appliance(200)
control command input unit(201)
random number generator (205)
microcomputer(203)
database (204)
control result output unit(202)
home server communication module(250)
home network modem(251)
memory (252)
modem controller (253)

Fig. 4


home server appliance (200)
client appliance (100)
access signal transmission (S1)
basic ID transmission (S2)
basic ID equal to ID of already connected client appliance? (S3)
NO
YES
random number generation (S4)
random number transmission(S5)
random number reception (S6)
unique ID input (S7)
input of random number as unique ID(S8)
control signal transmission using unique ID(S9)
control operation execution (S10)